

SGC SERIES GUILLOTINE CUTTER

MODELS AVAILABLE:

	Maximum Product Width	Maximum Product Height	Max. Cuttings Force @ 80 psi
SGC4	4"	1"	400
SGC8	8"	1"	600
SGC12	12"	1"	800

DESCRIPTION:

VULCAN'S Guillotine Cutter is designed to be located in the extrusion line downstream of the puller and is equipped with its own DC nip wheel drive. The extrudate forms a catenary or loop between the puller and the guillotine nip. The magnitude of the loop is sensed by a contactless ultrasonic dancer that controls the cutter feed rate. Upon receipt of a cut length signal from the programmable cut length unit, the guillotine drive clutch/brake is actuated and the extrudate is momentarily stopped, cut, and then restarted. The buildup of material in the dancer loop, during this period, results in an increase in the cutter feed rate, restoring the extrudate loop to its normal position.

FRAME:

- The frame is constructed of structural tubing and plate
- 16 Gauge expandable metal guards
- Four swivel casters, screw jack hold-downs and height adjustors
- NEMA 12 enclosures

CUT LENGTH SYSTEM:

- Product length is sensed with a rotary pulse generator electronically coupled to a digital counter with programmable length pre-sets for actuation of the electro-pneumatic clutch/brake and subsequent cut cycle.



CUTTER CONFIGURATION:

- Cutter stroke is air cylinder powered with cut forces as shown in table
- Cutting blades are of standard single-edge, carbon steel, industrial grade construction
- Cutter blade closes on UHMW striker plate

CUTTING RATE:

- The maximum cut rate is 30 cuts per minute
- The maximum cut rate can be affected by line speed, product cut length, and product thickness

ELECTRICAL:

- Standard electrical is 230 Volt/1 Phase/60 Hertz



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